

IN THE CLAIMS

Please replace all prior versions, and listings, of claims in the application with the following list of claims. Additions are indicated by underlining and deletions are indicated by strikeouts.

1-122. (Cancelled)

123. (Previously Presented) An article, comprising:

an electrical crossbar array defined by a plurality of conductors and a plurality of nanotubes which cross the plurality of conductors at intersections, wherein a plurality of the intersections are unique data storage elements and are switched between at least “on” and “off” readable states by solely applying dissimilar or similar electrical potential to one or more of the conductors and one or more of the nanotubes that define the unique data storage elements, whereby for each of said elements, the one or more nanotubes deforms and electrically connects, or disconnects, respectively, to the one or more conductors to switch the unique data storage element to the “on” or “off” state, respectively, upon the application of the dissimilar or similar electrical potential, and whereby when switched to the “on” or “off” state, the unique data storage element remains in said state absent application of a similar, or dissimilar electrical potential, respectively, to the one or more conductors and the one or more nanotubes defining the unique data storage element, but when a similar, or dissimilar electrical potential, respectively, is applied between the one or more conductors and the one or more nanotubes defining the unique data storage element, the unique data storage element returns to an “off” or “on” state, respectively.

124-150. (Cancelled)